MacVision® Image Processing Software version 4.1

DESCRIPTION

MacVision Video Digitizers and MacVision Image Processing software version 4.1 are inexpensive solutions for image capture and enhancement on Macintosh personal computer systems. Existing images, or new images captured by MacVision Video Digitizers, can be edited, labelled with text, enhanced or manipulated. MacVision Image Processing Software supports RGB Color, grayscale and halftone images.

SYSTEM 7 FEATURES

- Utilizes Edition Manager for publishing images to Subscribers
- Supports TrueType and Balloon Help

QUICKTIME FEATURES

- Image compression of Picture and EPS files for efficient use of disk space
- File reading includes QuickTime compression of PICT images

RASTER TOOLS

- Conversion tool for converting and saving a variety of raster types, including Palette color and Bilevel, in all pixel depths
- Raster slider controls to adjust RGB, HSB, Grayscale, Halftone
- Filters to enhance Grayscale or Halftone images:

Blur #1	Sharpen #1
Blur #2	Sharpen #2
Blur #3	Sharpen #3
Despeckle	Swap Interlace

- Halftone patterns for simulating grayscale on low resolution output devices such as screens or printers
- Crop to selection and Flip horizontal

TEXT FEATURES

- Addition, removal and editing of text
- Single or multiple labels per window
- Support of TrueType

PRINTER SUPPORT

All printers and image typesetters compatible with Macintosh computers.

FILE FEATURES

- File Reading formats: RIFF, TIFF, PICT 1, PICT 2
- File writing formats: RIFF, TIFF, EPS, PICT, PICT 2, MacPaint
- Open and Save as... dialog windows include "thumbnail" image for preview
- File writing includes TIFF handling of Palette color and Bilevel formats

EDITING

- Copy to the clipboard, and Copy as
- Optional border and choice of back ground style for contrast between the image and the surrounding area

SYSTEM REQUIREMENTS

- Macintosh Plus through the Quadra 900
- System software 6.0.4
- Apple LaserWriter Driver 6.0.x or equivalent
- Hard drive highly recommended
- For working with System 7 add two megabytes RAM
- For working with grayscale images: 2 megabytes RAM required
- For working with color images: 4 megabytes RAM required 32-bit QuickDraw Color QuickDraw in ROM
- QuickTime for image compression

NOW AVAILABLE SEPARATELY

MacVision XCMD for HyperCard

Capture images with your MacVision Video Digitizer

- Software plug-in modules to operate with either MacVision Grayscale (Serial version, NTSC or PAL) or MacVision Color (SCSI version) Video Digitizer
- Choose to capture a Resource, PICT or PTNG image file using the template stack provided with the XCMD
- Compression of PICT images - Clipboard, file or resource within HyperCard when running System 7 with QuickTime

MacVision® Video Digitizers version 4.1

The quick, easy way to capture high-quality images at an affordable price.

Unique SCSI, as well as traditional serial, device captures images in 24-bit color or grayscale from a variety of video sources. MacVision Video Digitizers accept NTSC video input from a camera, tape player, still camera, or laser disk player, plus MacVison SCSI Color Video Digitizer accepts S-Video. MacVision software plug-in modules allow the user to capture images from within an image processing application (MacVision Image Processing Software, Photoshop version 1.0.7 or higher, or Digital Darkroom version 2.0). One of these applications is required to utilize MacVision Video Digitizers. The digitizing software is designed to exploit the capabilities of 32-bit QuickDraw for excellent image capture quality.

SOFTWARE PLUG-IN MODULE FEATURES

General

- Pre•View inset 320 x 240
- Adjustment of capture set-up prior to capture
- Continuous refreshing of image
- Supports all Apple pixel depth levels for display on screen

Grayscale

- Hardware controlled adjustments of Brightness and Contrast
- Select preview display mode: Grayscale, or halftone
- Grayscale image capture sizes:

Frame	640 x 480
Field	320 x 240

- Select capture mode: Grayscale, or Halftone

Color

- Software controlled adjustments of Brightness, Contrast, Saturation, and Hue
- Select preview display mode: Color, Grayscale, or Halftone; including red, blue or green individually
- Color image capture sizes:

Frame	640 x 480
Field	320 x 240

- Select capture mode: Color, Grayscale, or Halftone; including red, blue or green individually
- Select video type: Composite or S-Video

MacVision SCSI Color Video Digitizer Hardware Specifications

External module	8 1/2″ x 9″ x 2 1/4″
Video Input Required	NTSC (Composite or S-Video)
Video Source	Video Camera, VCR, still camera or laser disk player
Output to Macintosh	Via a SCSI port (cabling not included).
Pixel Resolution	640 x 480
Capture Time	~ 2 seconds (system dependent)
Pixel Aspect Ratio	1:1 (square pixels)
Picture Aspect Ratio	4:3
SCSI Select	External rotary ID select switch
Color Output	24-bit (32-bit QuickDraw)
Capture method	Analog to digital conversion, line by line, SCSI bus transfer in blocks of lines. Internal micro-controller controls SCSI sequence and block transfer operation.
Peak Transfer Speed	~ 1.5 megabytes per second (system dependent)
Power	Line adapter, Input: 120 VAC 60 Hz, Output:16 VAC 40VA
Weight	3 pounds

MacVision Serial Grayscale Video Digitizer Hardware Specifications

External module	5″ x 7″ x 2 ″
Video Input Required	NTSC (Composite)
Video Source	Video Camera, VCR, still camera or laser disk player
Output to Macintosh	Via DIN-type serial port (cabling included)
Pixel Resolution	640 x 480
Capture Time	~ 24 seconds (system dependent)
Pixel Aspect Ratio	1:1 (square pixels)
Picture Aspect Ratio	4:3
Power	Line adapter, Input: 120 VAC 60 Hz, Output: 9 VAC 400mA
Weight	3 pounds

Specifications are subject to change without notice.

SYSTEM REQUIREMENTS

- Mac Plus through Quadra 700 (MacVision SCSI (color) Video Digitizer operates on the Quadra 900)
- System software 6.0.4
- For working with color:
  4 megabytes RAM minimum required
  32-bit QuickDraw
  Color QuickDraw in ROM
  68020 microprocessor to preview and capture color images.
- For working with grayscale:
  2 megabytes RAM minimum required
- Add 2 megabytes more when using System 7 and/or QuickTime. QuickTime will not operate on a Mac Plus, SE, Classic or PowerBook 100
- Hard drive highly recommended

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